

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.**

Application Serial Number: 09/610,5510

Source: IFW16

Date Processed by STIC: 3/30/05

# ***ENTERED***



IFW16

## RAW SEQUENCE LISTING

DATE: 03/30/2005

PATENT APPLICATION: US/09/610,551D

TIME: 10:01:48

Input Set : A:\409.1D2.TXT

Output Set: N:\CRF4\03302005\I610551D.raw

4 <110> APPLICANT: Barbas, Carlos F.  
 5       Burton, Dennis R.  
 6       Lerner, Richard A.  
 8 <120> TITLE OF INVENTION: Methods for producing antibody libraries  
 9       using universal or randomized immunoglobulin light chains  
 12 <130> FILE REFERENCE: TSRI 409.1D2  
 14 <140> CURRENT APPLICATION NUMBER: US 09/610,551D  
 15 <141> CURRENT FILING DATE: 2000-07-05  
 17 <150> PRIOR APPLICATION NUMBER: US 08/931,645  
 18 <151> PRIOR FILING DATE: 1997-09-16  
 20 <150> PRIOR APPLICATION NUMBER: US 08/300,386  
 21 <151> PRIOR FILING DATE: 1994-09-02  
 23 <150> PRIOR APPLICATION NUMBER: US 08/174,674  
 24 <151> PRIOR FILING DATE: 1993-12-28  
 26 <150> PRIOR APPLICATION NUMBER: US 08/012,566  
 27 <151> PRIOR FILING DATE: 1993-02-02  
 29 <150> PRIOR APPLICATION NUMBER: US 07/954,148  
 30 <151> PRIOR FILING DATE: 1992-09-30  
 32 <150> PRIOR APPLICATION NUMBER: US 07/826,623  
 33 <151> PRIOR FILING DATE: 1992-01-27  
 35 <160> NUMBER OF SEQ ID NOS: 74  
 37 <170> SOFTWARE: FastSEQ for Windows Version 4.0  
 39 <210> SEQ ID NO: 1  
 40 <211> LENGTH: 687  
 41 <212> TYPE: DNA  
 42 <213> ORGANISM: Artificial Sequence  
 44 <220> FEATURE:  
 45 <223> OTHER INFORMATION: Synthesized  
 47 <400> SEQUENCE: 1  
 48 ctcgagcagt ctggggctga ggtgaagaag cctgggtcct cggtgaaggt ctctgcagg 60  
 49 gcttctggag gcaccttcaa caattatgcc atcagctggg tgcgacaggc ccctggacaa 120  
 50 gggcttgagt ggatgggagg gatcttcctt ttccgtaata cagcaaagta cgcacaacac 180  
 51 ttccagggca gagtcaccat taccgcggac gaatccacgg gcacagccta catggagctg 240  
 52 agcagcctga gatctgagga cacggccata tattattgtg cgagagggga tacgattttt 300  
 53 ggagtgacca tgggatacta cgctatggac gtctggggcc aagggaccac ggtcaccgtc 360  
 54 tccgcagcct ccaccaaggg cccatcggtc ttccccctgg caccctctc caagagcacc 420  
 55 tctgggggca cagcgccctt gggctgcctg gtcaaggact acttccccga accggtgacg 480  
 56 gtgtcgtgga actcaggcgc cctgaccagc ggcgtgcaca ccttcccggc tgtcctacag 540  
 57 tctcaggac tctactccct cagcagcgtg gtgaccgtgc cctccagcag cttgggcacc 600  
 58 cagacctata tctgcaacgt gaatcacaag cccagcaaca ccaaggtgga caagaaagca 660  
 59 gagcccaaat cttgtgacaa aactagt 687  
 61 <210> SEQ ID NO: 2  
 62 <211> LENGTH: 646

## RAW SEQUENCE LISTING

DATE: 03/30/2005

PATENT APPLICATION: US/09/610,551D

TIME: 10:01:48

Input Set : A:\409.1D2.TXT

Output Set: N:\CRF4\03302005\I610551D.raw

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63 <212> TYPE: DNA
64 <213> ORGANISM: Artificial Sequence
66 <220> FEATURE:
67 <223> OTHER INFORMATION: Synthesized
69 <400> SEQUENCE: 2
70 gagctcacgc agtctccagg caccctgtct ttgtctccag gggaaagagc caccctctcc 60
71 tgcagggccca gtcacagtgt tagcagggcc tacttagcct ggtaccagca gaaacctggc 120
72 caggctccca ggctcctcat ctatggtaca tccagcaggg ccactggcat cccagacagg 180
73 tccagtggca gtgggtctgg gacagacttc actctcacca tcagcagact ggagcctgaa 240
74 gattttgcag tgtactactg tcagcagtat ggtggctcac cgtgggtcgg ccaagggacc 300
75 aaggtggaac tcaaacgaac tgtggctgca ccactgtgtc tcattctccc gccatctgat 360
76 gagcagttga aatctggaac tgcctctgtt gtgtgcctgc tgaataactt ctatcccaga 420
77 gaggccaaaag tacagtggaa ggtggataac gccctccaat cgggtaactc ccaggagagt 480
78 gtcacagagc aggacagcaa ggacagcacc tacagcctca gcagcaccct gacgctgagc 540
79 aaagcagact acgagaaaaca caaagtctac gcctgcgaag tcacccatca gggcctgagt 600
80 tcgcccgtca caaagagctt caacagggga gagtgttaat tctaga 646
82 <210> SEQ ID NO: 3
83 <211> LENGTH: 21
84 <212> TYPE: DNA
85 <213> ORGANISM: Artificial Sequence
87 <220> FEATURE:
88 <223> OTHER INFORMATION: Synthesized
90 <400> SEQUENCE: 3
91 gaattctaaa ctagctagtc g 21
93 <210> SEQ ID NO: 4
94 <211> LENGTH: 21
95 <212> TYPE: DNA
96 <213> ORGANISM: Artificial Sequence
98 <220> FEATURE:
99 <223> OTHER INFORMATION: Synthesized
101 <400> SEQUENCE: 4
102 atactgctga cagtaataca c 21
104 <210> SEQ ID NO: 5
105 <211> LENGTH: 57
106 <212> TYPE: DNA
107 <213> ORGANISM: Artificial Sequence
109 <220> FEATURE:
110 <223> OTHER INFORMATION: Synthesized
W--> 112 <221> NAME/KEY: modified base
113 <222> LOCATION: 19, 20, 22, 23, 25, 26, 28, 29
114 <223> OTHER INFORMATION: n = G, A, T, or C
W--> 116 <221> modified base
117 <222> LOCATION: 21, 24, 27, 30
118 <223> OTHER INFORMATION: k = G or T
W--> 120 <400> 5
W--> 121 tattactgtc agcagtatnn knnknnknnk actttcggcg gagggaccaa ggtggag 57
123 <210> SEQ ID NO: 6
124 <211> LENGTH: 21
125 <212> TYPE: DNA

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## RAW SEQUENCE LISTING

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```

126 <213> ORGANISM: Artificial Sequence
128 <220> FEATURE:
129 <223> OTHER INFORMATION: Synthesized
131 <400> SEQUENCE: 6
132 aatacgactc actatagggc g 21
134 <210> SEQ ID NO: 7
135 <211> LENGTH: 48
136 <212> TYPE: DNA
137 <213> ORGANISM: Artificial Sequence
139 <220> FEATURE:
140 <223> OTHER INFORMATION: Synthesized
W--> 142 <221> NAME/KEY: modified_base
143 <222> LOCATION: 19, 20, 22, 23, 25, 26, 28, 29
144 <223> OTHER INFORMATION: n = G, A, T, or C
W--> 146 <221> modified_base
147 <222> LOCATION: 21, 24, 27, 30
148 <223> OTHER INFORMATION: k = G or T
W--> 150 <400> 7
W--> 151 tattactgtc agcagtatnn knnknknknk actttcggcg gagggacc 48
153 <210> SEQ ID NO: 8
154 <211> LENGTH: 60
155 <212> TYPE: DNA
156 <213> ORGANISM: Artificial Sequence
158 <220> FEATURE:
159 <223> OTHER INFORMATION: Synthesized
W--> 161 <221> NAME/KEY: modified_base
162 <222> LOCATION: 19, 20, 22, 23, 25, 26, 28, 29, 31, 32
163 <223> OTHER INFORMATION: n = G, A, T, or C
W--> 165 <221> modified_base
166 <222> LOCATION: 21, 24, 27, 30, 33
167 <223> OTHER INFORMATION: k = G or T
W--> 169 <400> 8
W--> 170 tattactgtc agcagtatnn knnknknknk nnkactttcg gcggagggac caaggtggag 60
173 <210> SEQ ID NO: 9
174 <211> LENGTH: 51
175 <212> TYPE: DNA
176 <213> ORGANISM: Artificial Sequence
178 <220> FEATURE:
179 <223> OTHER INFORMATION: Synthesized
W--> 181 <221> NAME/KEY: modified_base
182 <222> LOCATION: 19, 20, 22, 23, 25, 26, 28, 29, 31, 32
183 <223> OTHER INFORMATION: n = G, A, T, or C
W--> 185 <221> modified_base
186 <222> LOCATION: 21, 24, 27, 30, 33
187 <223> OTHER INFORMATION: k = G or T
W--> 189 <400> 9
W--> 190 tattactgtc agcagtatnn knnknknknk nnkactttcg gcggagggac c 51
192 <210> SEQ ID NO: 10
193 <211> LENGTH: 75

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## RAW SEQUENCE LISTING

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Output Set: N:\CRF4\03302005\I610551D.raw

```

194 <212> TYPE: DNA
195 <213> ORGANISM: Artificial Sequence
197 <220> FEATURE:
198 <223> OTHER INFORMATION: Synthesized
W--> 200 <221> NAME/KEY: modified_base
201 <222> LOCATION: 31, 32, 34, 35, 37, 38, 40, 41, 43, 44, 46, 47
202 <223> OTHER INFORMATION: n = G, A, T, or C
W--> 204 <221> modified_base
205 <222> LOCATION: 33, 36, 39, 42, 45, 48
206 <223> OTHER INFORMATION: k = G or T
W--> 208 <400> 10
W--> 209 gattttgcag tgtattactg tcagcagtat nnknnknnkn nknnknnkac ttctggcgga 60
210 gggaccaagg tggag 75
212 <210> SEQ ID NO: 11
213 <211> LENGTH: 54
214 <212> TYPE: DNA
215 <213> ORGANISM: Artificial Sequence
217 <220> FEATURE:
218 <223> OTHER INFORMATION: Synthesized
W--> 220 <221> NAME/KEY: modified_base
221 <222> LOCATION: 19, 20, 22, 23, 25, 26, 28, 29, 31, 32, 34, 35
222 <223> OTHER INFORMATION: n = G, A, T, or C
W--> 224 <221> modified_base
225 <222> LOCATION: 21, 24, 27, 30, 33, 36
226 <223> OTHER INFORMATION: k = G or T
W--> 228 <400> 11
W--> 229 tattactgtc agcagtatnn knnknnknnk nnknnkactt tcggcgagg gacc 54
231 <210> SEQ ID NO: 12
232 <211> LENGTH: 75
233 <212> TYPE: DNA
234 <213> ORGANISM: Artificial Sequence
236 <220> FEATURE:
237 <223> OTHER INFORMATION: Synthesized
W--> 239 <221> NAME/KEY: modified_base
240 <222> LOCATION: 22, 23, 25, 26, 28, 29, 31, 32, 34, 35, 37, 38, 40, 41, 43,
241 44, 46, 47, 49, 50
242 <223> OTHER INFORMATION: n = G, A, T, or C
W--> 244 <221> modified_base
245 <222> LOCATION: 24, 27, 30, 33, 36, 39, 42, 45, 48, 51
246 <223> OTHER INFORMATION: k = G or T
W--> 248 <400> 12
W--> 249 gattttgcag tgtattactg tnnknnknnk nnknnknnkn nknnknnknn ktctggcgga 60
250 gggaccaagg tggag 75
252 <210> SEQ ID NO: 13
253 <211> LENGTH: 70
254 <212> TYPE: DNA
255 <213> ORGANISM: Artificial Sequence
257 <220> FEATURE:
258 <223> OTHER INFORMATION: Synthesized

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Input Set : A:\409.1D2.TXT

Output Set: N:\CRF4\03302005\I610551D.raw

```

W--> 260 <221> NAME/KEY: modified_base
      261 <222> LOCATION: 26, 29, 32, 35, 38, 41, 44, 47
      262 <223> OTHER INFORMATION: m = A or C
W--> 264 <221> modified_base
      265 <222> LOCATION: 27, 28, 30, 31, 33, 34, 36, 37, 39, 40, 42, 43, 45, 46, 48,
      266 49
      267 <223> OTHER INFORMATION: n = G, A, T, or C
W--> 269 <400> 13
W--> 270 gttccacctt ggtcccttgg ccgaamnnnnn nnnnnnnnnnn mnnnnnnnnna cagtagtaca 60
      271 ctgcaaaatc 70
      273 <210> SEQ ID NO: 14
      274 <211> LENGTH: 76
      275 <212> TYPE: DNA
      276 <213> ORGANISM: Artificial Sequence
      278 <220> FEATURE:
      279 <223> OTHER INFORMATION: Synthesized
W--> 281 <221> NAME/KEY: modified_base
      282 <222> LOCATION: 26, 29, 32, 35, 38, 41, 44, 47, 50, 53
      283 <223> OTHER INFORMATION: m = A or C
W--> 285 <221> modified_base
      286 <222> LOCATION: 27, 28, 30, 31, 33, 34, 36, 37, 39, 40, 42, 43, 45, 46, 48,
      287 49, 51, 52, 54, 55
      288 <223> OTHER INFORMATION: n = G, A, T, or C
W--> 290 <400> 14
W--> 291 gttccacctt ggtcccttgg ccgaamnnnnn nnnnnnnnnnn mnnnnnnnnnm nnnnnacagt 60
      292 agtacactgc aaaatc 76
      294 <210> SEQ ID NO: 15
      295 <211> LENGTH: 94
      296 <212> TYPE: DNA
      297 <213> ORGANISM: Artificial Sequence
      299 <220> FEATURE:
      300 <223> OTHER INFORMATION: Synthesized
W--> 302 <221> NAME/KEY: modified_base
      303 <222> LOCATION: 26, 29, 32, 35, 38, 41, 44, 47, 50, 53, 56, 59, 62, 65, 68,
      304 71
      305 <223> OTHER INFORMATION: m = A or C
W--> 307 <221> modified_base
      308 <222> LOCATION: 27, 28, 30, 31, 33, 34, 36, 37, 39, 40, 42, 43, 45, 46, 48,
      309 49, 51, 52, 54, 55, 57, 58, 60, 61, 63, 64, 66, 67, 69,
      310 70, 72, 73
      311 <223> OTHER INFORMATION: n = G, A, T, or C
W--> 313 <400> 15
W--> 314 gttccacctt ggtcccttgg ccgaamnnnnn nnnnnnnnnnn mnnnnnnnnnm nnnnnnnnnnn 60
      315 nnnnnnnnnnn mnnacagttag tacactgcaa aatc 94
      317 <210> SEQ ID NO: 16
      318 <211> LENGTH: 25
      319 <212> TYPE: DNA
      320 <213> ORGANISM: Artificial Sequence
      322 <220> FEATURE:

```

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/09/610,551D

DATE: 03/30/2005  
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Input Set : A:\409.1D2.TXT  
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:5; N Pos. 19, 20, 22, 23, 25, 26, 28, 29  
Seq#:7; N Pos. 19, 20, 22, 23, 25, 26, 28, 29  
Seq#:8; N Pos. 19, 20, 22, 23, 25, 26, 28, 29, 31, 32  
Seq#:9; N Pos. 19, 20, 22, 23, 25, 26, 28, 29, 31, 32  
Seq#:10; N Pos. 31, 32, 34, 35, 37, 38, 40, 41, 43, 44, 46, 47  
Seq#:11; N Pos. 19, 20, 22, 23, 25, 26, 28, 29, 31, 32, 34, 35  
Seq#:12; N Pos. 22, 23, 25, 26, 28, 29, 31, 32, 34, 35, 37, 38, 40, 41, 43, 44, 46, 47, 49, 50  
Seq#:13; N Pos. 27, 28, 30, 31, 33, 34, 36, 37, 39, 40, 42, 43, 45, 46, 48, 49  
Seq#:14; N Pos. 27, 28, 30, 31, 33, 34, 36, 37, 39, 40, 42, 43, 45, 46, 48, 49, 51, 52, 54, 55  
Seq#:15; N Pos. 27, 28, 30, 31, 33, 34, 36, 37, 39, 40, 42, 43, 45, 46, 48, 49, 51, 52, 54, 55  
Seq#:15; N Pos. 57, 58, 60, 61, 63, 64, 66, 67, 69, 70, 72, 73  
Seq#:19; N Pos. 22, 23, 25, 26, 28, 29, 34, 35  
Seq#:21; N Pos. 25, 26, 28, 29, 31, 32, 34, 35, 37, 38, 40, 41, 43, 44, 49, 50  
Seq#:22; N Pos. 25, 26, 28, 29, 31, 32, 34, 35, 37, 38, 40, 41, 43, 44, 46, 47, 49, 50, 52, 53  
Seq#:22; N Pos. 55, 56, 58, 59, 61, 62, 67, 68  
Seq#:23; N Pos. 19, 20, 22, 23, 25, 26, 28, 29, 31, 32  
Seq#:24; N Pos. 19, 20, 22, 23, 25, 26, 28, 29, 31, 32, 34, 35, 37, 38, 40, 41, 43, 44, 46, 47  
Seq#:25; N Pos. 19, 20, 22, 23, 25, 26, 28, 29, 31, 32, 34, 35, 37, 38, 40, 41, 43, 44, 46, 47  
Seq#:25; N Pos. 49, 50, 52, 53, 55, 56, 58, 59, 61, 62, 64, 65  
Seq#:73; N Pos. 1, 2, 4, 5, 7, 8, 10, 11, 13, 14, 16, 17, 19, 20, 22, 23, 25, 26, 28, 29, 31, 32  
Seq#:73; N Pos. 34, 35, 37, 38, 40, 41, 43, 44, 46, 47, 49, 50, 52, 53, 55, 56, 58, 59, 61, 62  
Seq#:73; N Pos. 64, 65, 67, 68, 70, 71  
Seq#:74; N Pos. 2, 3, 5, 6, 8, 9, 11, 12, 14, 15, 17, 18, 20, 21, 23, 24, 26, 27, 29, 30, 32, 33  
Seq#:74; N Pos. 35, 36, 38, 39, 41, 42, 44, 45, 47, 48, 50, 51, 53, 54, 56, 57, 59, 60, 62, 63  
Seq#:74; N Pos. 65, 66, 68, 69, 71, 72

## VERIFICATION SUMMARY

DATE: 03/30/2005

PATENT APPLICATION: US/09/610,551D

TIME: 10:01:49

Input Set : A:\409.1D2.TXT

Output Set: N:\CRF4\03302005\I610551D.raw

L:112 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:116 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:5  
L:120 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:5  
L:121 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0  
L:142 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:146 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:7  
L:150 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:7  
L:151 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0  
L:161 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:165 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:8  
L:169 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:8  
L:170 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0  
L:181 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:185 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:9  
L:189 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:9  
L:190 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0  
L:200 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:204 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:10  
L:208 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:10  
L:209 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0  
L:220 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:224 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:11  
L:228 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:11  
L:229 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0  
L:239 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:244 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:12  
L:248 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:12  
L:249 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0  
L:260 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:264 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:13  
L:269 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:13  
L:270 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:0  
L:281 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:285 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:14  
L:290 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:14  
L:291 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0  
L:302 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:307 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:15  
L:313 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:15  
L:314 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0  
M:341 Repeated in SeqNo=15  
L:358 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:362 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:19  
L:366 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:19  
L:367 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:0  
L:388 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:392 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:21  
L:396 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:21



## VERIFICATION SUMMARY

DATE: 03/30/2005

PATENT APPLICATION: US/09/610,551D

TIME: 10:01:49

Input Set : A:\409.1D2.TXT

Output Set: N:\CRF4\03302005\I610551D.raw

L:397 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:0  
L:408 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:413 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:22  
L:417 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:22  
L:418 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:0  
M:341 Repeated in SeqNo=22  
L:429 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:433 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:23  
L:437 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:23  
L:438 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:0  
L:448 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:453 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:24  
L:457 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:24  
L:458 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:0  
L:469 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:475 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:25  
L:480 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:25  
L:481 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:0  
M:341 Repeated in SeqNo=25  
L:1195 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:1202 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:73  
L:1207 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:73  
L:1212 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:73  
L:1213 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:73 after pos.:0  
M:341 Repeated in SeqNo=73  
L:1224 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:1229 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:74  
L:1236 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:74  
L:1241 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:74  
L:1242 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:74 after pos.:0  
M:341 Repeated in SeqNo=74